

Tessellation 33 (J)

Suite: Tessellation Party!

by Arya Akhavan (December 2013)

Angles for R.I. = 1.520

29 + 10 girdles = 39 facets

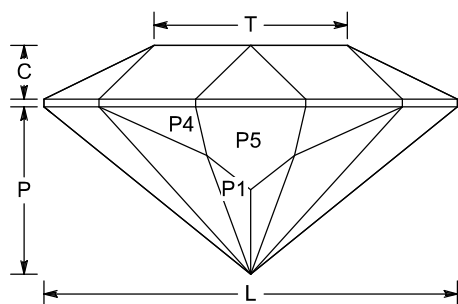
2-fold, mirror-image symmetry

96 index

L/W = 1.368 T/W = 0.640 U/W = 0.370

P/W = 0.553 C/W = 0.177

Vol./W³ = 0.323



PAVILION

P1	42.13°	10-38-58-86	Cut to centerpoint.
P2	43.71°	12-36-60-84	Meet at culet.
P3	43.00°	16-32-64-80	Meet at culet.
G1	90.00°	16-32-64-80	Set stone length.
G2	90.00°	08-40-56-88	Meet P2, P3, G1
P4	65.00°	08-40-56-88	Level girdle.
P5	68.00°	96-48	Meet P1, P2, P4
G3	90.00°	96-48	Level girdle.

CROWN

C1	29.39°	96-48	Set girdle width.
C2	26.00°	08-40-56-88	Level girdle.
C3	29.38°	16-32-64-80	Level girdle.
T	0.00°	Table	Meet C1, C2; C2, C3

This design is a very nice, very simple tessellation with an easy crown and surprisingly good performance for its simplicity. I tried to have the table broken into two triangles, but it didn't work. Works in materials from feldspar to tourmaline (RI = 1.52 - 1.62) with no changes; if you go outside that range, weird things happen to the tips.

Suggested length = 6-12 mm

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